

## INSTALLATION INSTRUCTIONS FOR THRUSH KIT: 89023

1964-72 Buick Skylark, Chevy Malibu, Monte Carlo,  
Olds Cutlass, Pontiac GTO, LeMans,  
Tempest V8

# Thrush®

2701 N. Dettman Rd.  
Jackson, MI 49201

**DANGER WARNING:** SHOULD THE PURCHASER DECIDE TO INSTALL ANY EXHAUST PRODUCT AT HOME, BE WARNED THAT PASSENGER CAR OR LIGHT DUTY TRUCK/VAN "BUMPER" JACKS ARE INTENDED FOR EMERGENCY USE ONLY. THE USE OF FRAME CONTACT JACK STANDS IN CONJUNCTION WITH A FLOOR JACK AS MAIN SUPPORT IS HIGHLY RECOMMENDED TO MINIMIZE ACCIDENTAL DROPPING OF A VEHICLE DURING THE INSTALLATION PROCESS.

**NOTE:** Read all instructions before starting any work. **This kit is designed to connect full length Headers.**

1. Bolt adapter plates **703828** to hangers **703825** and **159496** using the  $\frac{5}{16}$ "-18thd x  $\frac{3}{4}$ " bolts and nuts provided. See the system diagram for parts identification. The plates will allow  $2\frac{1}{2}$ " size saddle clamps to be connected to the hangers.
2. On the cross member frame of the vehicle, slightly forward of the rear axle, there is a set of two mounting holes on each side, LH and RH, which will be used to mount hanger **703825** on the LH side and hanger **159496** on the RH side. use the  $\frac{5}{16}$ " -18thd x 1" bolts nuts provided.
3. Place h-pipe **704142** in its approximate position underneath the vehicle and support with stand.
4. Connect the inlet of the mufflers, **703824**, to the rear of the h-pipe. Place the outlets of the mufflers into the rear 703825 and 159496. Be sure the mufflers are level. Use jack stands to hold in place. The outlet of the mufflers should be offset toward the outboard side of the car. Please see system diagram.
5. Place the RH tail pipe **704144** in position over the axle on the RH side of the vehicle. Do the same with the LH tail pipe **704143**. When installing the tail pipes, the rear of the car must be supported by the frame with jack stands allowing the axle to hang down.
6. Bolt the tail pipe rear hangers, **704162**, into the stock locations on the rear quarter frame rails using the  $\frac{5}{16}$ " x 1" bolts, washers, and nuts provided. The holes may need to be drilled out to accept the  $\frac{5}{16}$ " bolts.
7. Clamp the rear of the tail pipes, to the hangers just installed with (2)  $2\frac{1}{2}$ " clamps.
8. Insert the tail pipes into the muffler outlets and adjust the mufflers tail pipes into their approximate final position.

9. Install reducer adapters **703094**, flanges **160771**, and gaskets **160401** onto the header collectors and attach with the nuts and bolts provided.
10. Hold the front header extension pipes **704141** up to the reducer adapters and the h-pipe **704142**. Measure the extension pipes for possible cut-off. You may need to cut-off on each end for the best fit. Once the cut-offs have been made, clamp the extension pipes to the reducer adapters and h-pipe. You may need to remove the reducer adapters from the headers to insert the the extension pipes and clamp properly. Please see diagram.
11. Beginning at the inlet end, align all system components and tighten all connections.

### KIT CONTAINS:

(2) 703824 MUFFLERS  
(2) 703094 ADAPTERS  
(2) 704141 EXT. PIPES  
(1) 704142 H-PIPE  
(1) 704143 LH TAIL PIPE  
(1) 704144 RH TAIL PIPE  
(1) 159496 (35870) HANGER  
(1) 703825 (35871) HANGER  
(2) 704162 HANGERS  
(2) 703828 PLATES  
(1) 704086 FASTENER KIT  
(2) 160401 GASKETS  
(2) 160771 FLANGES  
(2) 704145 REAR EXT. PIPES  
(10)  $2\frac{1}{2}$ " CLAMPS  
(1) 704156 INSTRUCTION SHEET

### 704086 FASTENER KIT includes:

(4)  $\frac{5}{16}$ " x 1" BOLTS  
(6)  $\frac{5}{16}$ " x 1" BOLTS  
(10)  $\frac{5}{16}$ " HEX NUTS  
(10)  $\frac{5}{16}$ " LOCK WASHERS  
(4)  $\frac{5}{16}$ " FENDER WASHERS  
(6)  $\frac{5}{16}$ " FLAT WASHERS

89023 SYSTEM DIAGRAM

